

WHAT IS CLAIMED IS:

- 1 1. A method for rendering network addresses of files capable of being
2 downloaded over a network on an output device, comprising:
3 generating a list of previously accessed network addresses; and
4 associating an access time rating with each network address in the list indicating a
5 relative time to access a file from the network address.

1 2. The method of claim 1, further comprising:
2 determining an access time indicator for one network address based on the access time
3 rating, wherein there are at least two different access time indicators for different access time
4 ratings; and
5 rendering the access time indicator when rendering the network address on the output
6 device.

1 3. The method of claim 2, wherein the rendered access time indicator comprises
2 an access time rendered with the network address.

1 4. The method of claim 2, wherein the output device comprises a display monitor,
2 wherein rendering the network address comprises displaying the network address on a display
3 monitor and wherein rendering the access time indicator comprises altering the display of the
4 network address on the display monitor.

1 5. The method of claim 4, wherein the access time indicator comprises a color in
2 which to display the network address on the display monitor.

1 6. The method of claim 2, wherein the output device comprises a display monitor,
2 wherein the file accessed from the network address comprises a page to display on the display

3 monitor, wherein the network address to render comprises a network address included in the
4 page to display within the displayed page, and wherein the access time rating is based on a time
5 to download the page from over the network.

1 7. The method of claim 6, wherein the access time rating is further based on a time
2 to render the downloaded page as output on the display monitor.

1 8. The method of claim 6, wherein the time to download the page further
2 comprises a time to download any files embedded in the page that are rendered with the page.

1 9. The method of claim 6, wherein generating the list of previously accessed
2 network addresses with access time ratings comprises:
3 each time the page is downloaded from the network address, determining a time to
4 download the page from over the network;
5 storing each determined time with the network address;
6 calculating an expected access time from the stored determined times for each network
7 address; and
8 determining the access time rating from the expected access time.

1 10. The method of claim 6, wherein the page is implemented in a markup-language
2 including tagged elements, further comprising:
3 generating a document object including nodes for the tagged elements;
4 generating a node for each network address included in the page; and
5 generating an attribute for each network address node implementing the access time
6 indicator determined from the network address, wherein the page is rendered from the
7 document object.

1 11. The method of claim 2, wherein rendering the access time indicator when
2 rendering the processed network address further comprises:
3 receiving characters of a network address a user inputs into an address field displayed
4 on the output device;
5 determining a set of network addresses from the list of previously accessed network
6 addresses that begin with the received characters;
7 determining the access time indicator for each of the determined network addresses in
8 the set based on the access time rating associated with each network address; and
9 rendering the determined access time indicator for each network address with the
10 network address in a list of network addresses, wherein a user is capable of selecting one of the
11 rendered network addresses to substitute for the received characters to enter into the address
12 field.

1 12. The method of claim 2, wherein rendering the access time indicator when
2 rendering the processed network address further comprises:
3 accessing a list of selected network addresses;
4 determining the access time indicator for each of the network addresses in the list of
5 selected network addresses based on the access time rating associated with each network
6 address; and
7 rendering the determined access time indicator with each network address in the list of
8 selected network addresses.

1 13. A system for rendering network addresses of files capable of being
2 downloaded over a network on an output device, comprising:
3 means for generating a list of previously accessed network addresses; and
4 means for associating an access time rating with each network address in the list
5 indicating a relative time to access a file from the network address.

1 14. The system of claim 13, further comprising:
2 means for determining an access time indicator for one network address based on the
3 access time rating, wherein there are at least two different access time indicators for different
4 access time ratings; and
5 means for rendering the access time indicator when rendering the network address.

1 15. The system of claim 14, wherein the rendered access time indicator comprises
2 an access time rendered with the network address.

1 16. The system of claim 14, wherein the output device comprises a display monitor,
2 wherein the means for rendering the network address performs displaying the network address
3 on the display monitor and wherein the means for rendering the access time indicator performs
4 altering the display of the network address on the display monitor.

1 17. The system of claim 16, wherein the access time indicator comprises a color in
2 which to display the network address on the display monitor.

1 18. The system of claim 14, wherein the output device comprises a display monitor,
2 wherein the file accessed from the network address comprises a page to display on the display
3 monitor, wherein the network address to render comprises a network address included in the
4 page to display within the displayed page, and wherein the access time rating is based on a time
5 to download the page from over the network.

1 19. The system of claim 18, wherein the access time rating is further based on a
2 time to render the downloaded page as output on the display monitor.

1 20. The system of claim 18, wherein the time to download the page further
2 comprises a time to download any files embedded in the page that are rendered with the page.

1 21. The system of claim 18, wherein the means for generating the list of previously
2 accessed network addresses with access time ratings performs:
3 each time the page is downloaded from the network address, determining a time to
4 download the page from over the network;
5 storing each determined time with the network address;
6 calculating an expected access time from the stored determined times for each network
7 address; and
8 determining the access time rating from the expected access time.

1 22. The system of claim 18, wherein the page is implemented in a markup-language
2 including tagged elements, further comprising:
3 means for generating a document object including nodes for the tagged elements;
4 means for generating a node for each network address included in the page; and
5 means for generating an attribute for each network address node implementing the
6 access time indicator determined from the network address, wherein the page is rendered from
7 the document object.

1 23. The system of claim 14, wherein the means for rendering the access time
2 indicator when rendering the processed network address further performs:
3 receiving characters of a network address a user inputs into an address field displayed
4 on the output device;
5 determining a set of network addresses from the list of previously accessed network
6 addresses that begin with the received characters;

7 determining the access time indicator for each of the determined network addresses in
8 the set based on the access time rating associated with each network address; and
9 rendering the determined access time indicator for each network address with the
10 network address in a list of network addresses, wherein a user is capable of selecting one of the
11 rendered network addresses to substitute for the received characters to enter into the address
12 field.

1 24. The system of claim 14, wherein the means for rendering the access time
2 indicator when rendering the processed network address further performs:
3 accessing a list of selected network addresses;
4 determining the access time indicator for each of the network addresses in the list of
5 selected network addresses based on the access time rating associated with each network
6 address; and
7 rendering the determined access time indicator with each network address in the list of
8 selected network addresses.

1 25. An article of manufacture for rendering network addresses of files capable of
2 being downloaded over a network on an output device, wherein the article of manufacture
3 comprises code implemented in a computer readable medium capable of causing a processor to
4 perform:
5 generating a list of previously accessed network addresses; and
6 associating an access time rating with each network address in the list indicating a
7 relative time to access a file from the network address.

1 26. The article of manufacture of claim 25, further comprising code capable of
2 causing the processor to perform:

3 determining an access time indicator for one network address based on the access time
4 rating, wherein there are at least two different access time indicators for different access time
5 ratings; and
6 rendering the access time indicator when rendering the network address.

1 27. The article of manufacture of claim 26, wherein the rendered access time
2 indicator comprises an access time rendered with the network address.

1 28. The article of manufacture of claim 26, wherein the output device comprises a
2 display monitor, wherein rendering the network address comprises displaying the network
3 address on the display monitor and wherein rendering the access time indicator comprises
4 altering the display of the network address on the display monitor.

1 29. The article of manufacture of claim 28, wherein the access time indicator
2 comprises a color in which to display the network address on the display monitor.

1 30. The article of manufacture of claim 25, wherein the output device comprises a
2 display monitor, wherein the file accessed from the network address comprises a page to
3 display on the display monitor, wherein the network address to render comprises a network
4 address included in the page to display within the displayed page, and wherein the access time
5 rating is based on a time to download the page from over the network.

1 31. The article of manufacture of claim 30, wherein the access time rating is further
2 based on a time to render the downloaded page as output on the display monitor.

1 32. The article of manufacture of claim 30, wherein the time to download the page
2 further comprises a time to download any files embedded in the page that are rendered with the
3 page.

1 33. The article of manufacture of claim 30, wherein generating the list of previously
2 accessed network addresses with access time ratings comprises:
3 each time the page is downloaded from the network address, determining a time to
4 download the page from over the network;
5 storing each determined time with the network address;
6 calculating an expected access time from the stored determined times for each network
7 address; and
8 determining the access time rating from the expected access time.

1 34. The article of manufacture of claim 30, wherein the page is implemented in a
2 markup-language including tagged elements, further comprising code capable of causing the
3 processor to perform:
4 generating a document object including nodes for the tagged elements;
5 generating a node for each network address included in the page; and
6 generating an attribute for each network address node implementing the access time
7 indicator determined from the network address, wherein the page is rendered from the
8 document object.

1 35. The article of manufacture of claim 26, wherein rendering the access time
2 indicator when rendering the processed network address further comprises:
3 receiving characters of a network address a user inputs into an address field displayed
4 on the output device.
5 determining a set of network addresses from the list of previously accessed network
6 addresses that begin with the received characters;
7 determining the access time indicator for each of the determined network addresses in
8 the set based on the access time rating associated with each network address; and

9 rendering the determined access time indicator for each network address with the
10 network address in a list of network addresses, wherein a user is capable of selecting one of the
11 rendered network addresses to substitute for the received characters to enter into the address
12 field.

1 36. The article of manufacture of claim 26, wherein rendering the access time
2 indicator when rendering the processed network address further comprises:
3 accessing a list of selected network addresses;
4 determining the access time indicator for each of the network addresses in the list of
5 selected network addresses based on the access time rating associated with each network
6 address; and
7 rendering the determined access time indicator with each network address in the list of
8 selected network addresses.